



- a) developing a marker in response to said ancillary signal;
- b) associating said marker with said video like signal;
- c) recovering said marker from said delayed video like signal;
- d) developing a second marker corresponding to said marker of c) from said delayed ancillary signal;
- e) determining said synchronization in response to comparison of the timing of said marker of c) relative to the timing of said second marker.

Claim 17. A method of maintaining the synchronization of a video like signal and at least one corresponding ancillary signal which may suffer differing relative delays due to processing thereof which results in delayed ancillary and delayed video like signals, said method including the steps of:

- a) developing a marker in response to said ancillary signal;
- b) associating said marker with said video like signal;
- c) recovering said marker from said delayed video like signal;
- d) developing a second marker corresponding to said marker of c) from said delayed ancillary signal;
- e) in response to the timing of said marker of c) relative to the timing of said second marker, delaying the least delayed of said delayed ancillary and said delayed video like signals thereby correcting errors in said synchronization.

Claim 18. A method of indicating the relative delay of a video like and at least one corresponding ancillary signals which may suffer differing relative delays as a result of processing to become delayed ancillary and delayed video like signals, said method including the steps of:

- a) developing a marker in response to said ancillary signal;
- b) associating said marker with said video like signal;
- c) recovering said marker in response to said delayed video like signal;
- d) developing a second marker corresponding to said marker of c) from said delayed ancillary signal;
- e) indicating said relative delay in response to comparison of the timing of said marker of c) relative to the timing of said second marker.

Claim 19. A method as claimed in claim 16, 17 or 18 wherein said marker of a) is responsive to a parameter of said ancillary signal.

Claim 20. A method as claimed in claim 16, 17 or 18 wherein said marker of a) is responsive to a characteristic of said ancillary signal.

Claim 21. A method as claimed in claim 16, 17 or 18 wherein said marker of a) is also responsive to said video like signal.

Claim 22. A method as claimed in claim 16, 17 or 18 wherein said associating said marker with said video like signal of step b) includes engrafting said marker onto the luminous portion of said video like signal.



Claim 23. A method as claimed in claim 16, 17 or 18 wherein said associating said marker with said video like signal of step b) includes engrafting onto the luminous portion of said video like signal by amplitude modulation.

Claim 24. A method as claimed in claim 16, 17 or 18 wherein said associating said marker with said video like signal of step b) includes encoding said marker as a watermark in said video like signal.

Claim 25. A method as claimed in claim 16, 17 or 18 wherein in step b) said marker is associated with said video like signal by conveying said marker as a watermark in said video like signal and in step c) said watermark is recognized and said marker recovered therefrom.

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Claim 26. A method as claimed in claim 16, 17 or 18 wherein said video like signal and said ancillary signal are respectively video and corresponding audio parts of a television program.

Claim 27. A method as claimed in claim 16, 17 or 18 wherein said video like signal and said ancillary signal are video and corresponding audio parts of a television program respectively and are encoded in MPEG form as part of said signal processing.

Claim 28. A method of indicating the synchronization of the video and at least one corresponding audio portion of a television program, which video and audio may suffer differing relative delays due to transmitting or storing said television program, said method including the steps of:

- a) before said transmitting or storing, developing a digital marker signal in response to said audio;
- b) carrying said marker with said video in said transmitting or storing;
- c) after said transmitting or storing, recovering said marker from the resulting delayed video;
- d) after said transmitting or storing, in response to the resulting delayed audio developing a second marker corresponding to said marker of c);
- e) indicating said synchronization in response to comparison of the relative timing of said marker of c) and said second marker.

Claim 29. A method of maintaining the synchronization of the video and at least one corresponding audio portion of a transmitted or stored television program, which video and audio may suffer differing relative delays as part of said transmitting or storing, said method including the steps of:

- a) before said transmitting or storing, providing a marker in digital form in response to said audio;
- b) carrying said marker with said video as part of said transmitting or storing;
- c) after said transmitting or storing, recovering said marker from the resulting delayed video;